

# **XPS machine brief user's manual**

## **Attention and warning:**

- Not do the conductor arrangement during electric implementation
- Voltage input point should apply leakage protection device
- Make sure motor and operation parts without any damp phenomenon during the operating process

## **Attention:**

- Use national standard six square four cores cable and check the status of its insulation
- Immediately stop the machine and cut off power supply when something unusual happen.
- During the operating process, make sure the cable and grinder keep space with each other
- Make sure installation of abrasives right and stable
- Do reset action when failure happens on inverter

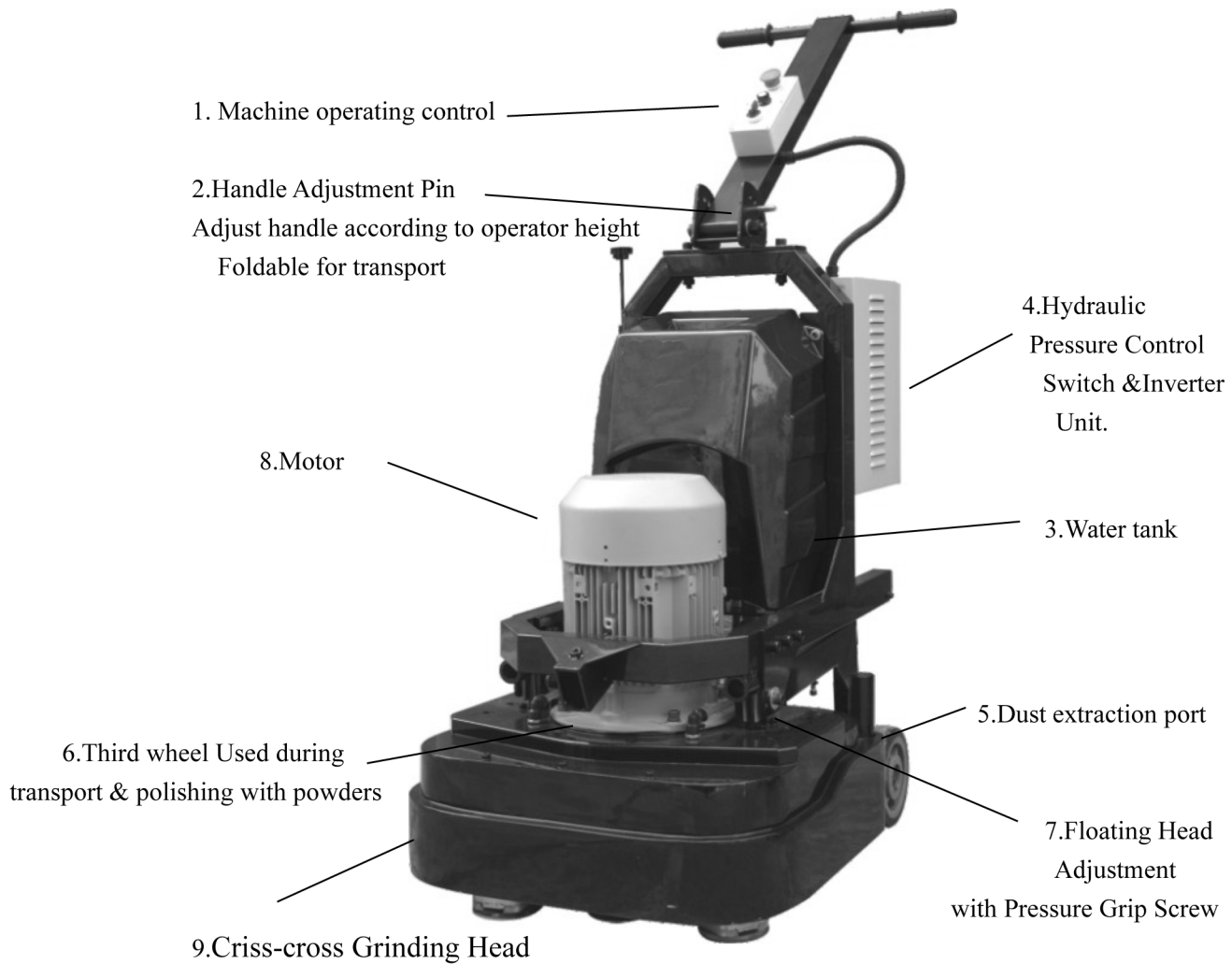
## **Delivery testing:**

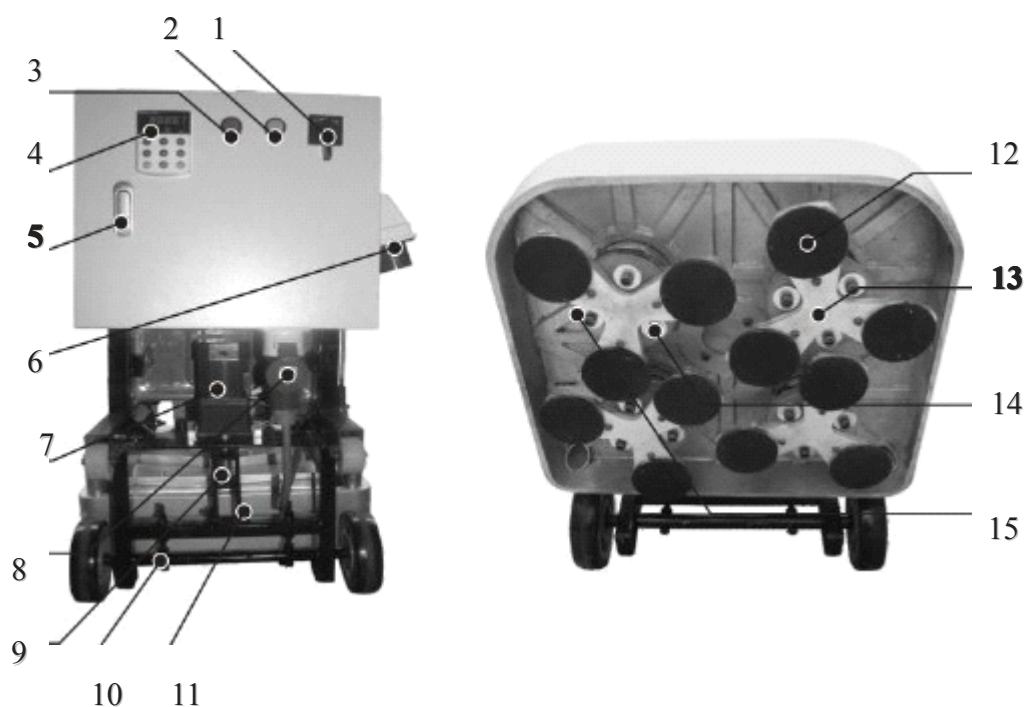
All machines are through strict testing before leaving factory, please do the following testing when you unpack the machine box:

·Check surface paint and operating knob

·Check the data of machine be same as the given information

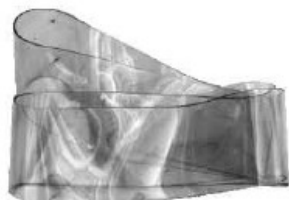
## Genie Master Main Part:





1. Switch for grinding head pressure control
2. Light for grinding head pressure control
3. Electronic indicator light
4. LED operation board
5. Electronic box lock
6. Electronic input socket
7. Grinding head pressure control motor
8. Motor connection plug and socket
9. Grinding head pressure control lead screw
10. Front wheel adjustment bolt
11. Grinding head pressure control bracket
12. Velcore plate
13. Three-claw grinding plate
14. Fastening adjustment bolt
15. Cushion rubber pad

### **Spare parts list:**



Waterproof cover



Lever



Waterproof plug



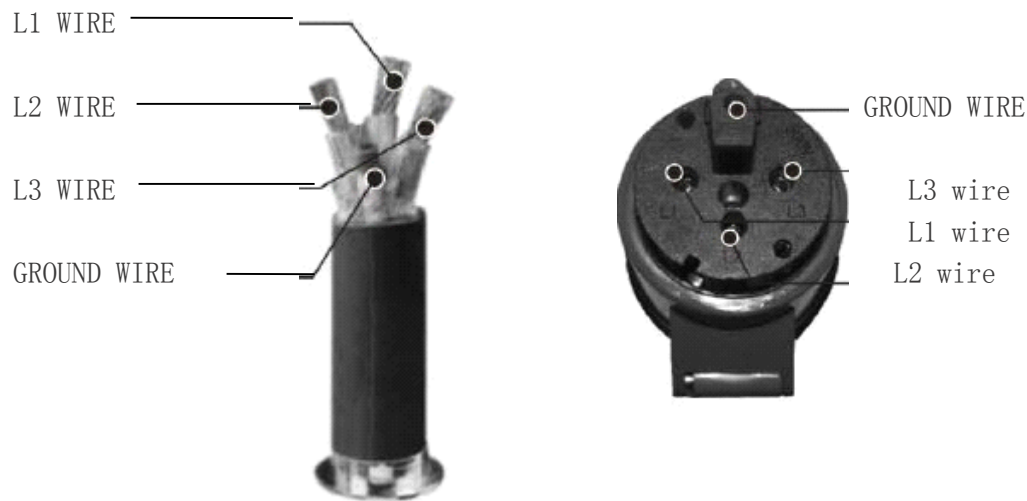
Invert magnetic disk



Forward move wheel

### **Conductor arrangement:**

1. Use national standard six square four cores cable and check the status of its insulation
2. Apply leakage protection device to guarantee individual safety
3. Check insulation part of cable before conductor arrangement
4. Operator should wear insulation protection shoes
5. Machine can be used in the state of electrical grounding
6. Check conductor arrangement be without short circuit or open circuit phenomenon
7. Check the fixed knob without loosening phenomenon and make sure output voltage be same as working voltage
8. Connect L1,L2,L3 wire (L1,L2,L3 mean live wire)
9. Please do other checking when conductor arrangement is well done, make sure the stable work of leakage protection device in the case of short circuit



## Operation procedure

1. Check condition of machine before operation, make sure machine operation control and electric parts without damp phenomenon

2. Make sure no water in water tank and connect industrial vacuum cleaner

3. Install abrasive: Choose matched abrasive according jobsite situation, correct abrasive installation to avoid abrasive separating from abrasive fixer to hurt human or other things during its operation.

Use metal tool bit: When choose magnetic connection abrasive, please make sure abrasive enter into magnetic disk; When choose screw connection abrasive, please tighten nut; When choose velcro type, make sure correct abrasive connection.

4. Lean machine before abrasive installation, rubber stand touch floor, close open switch adjustment and clock emergency stop

5. Please exchange different connection according to specific

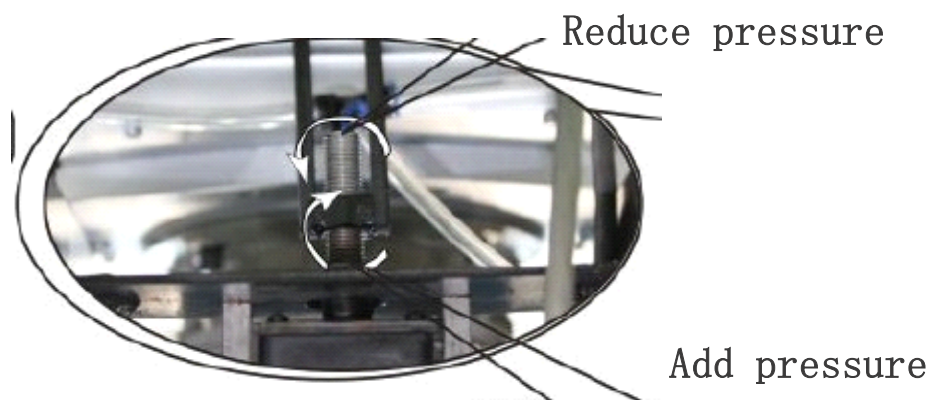
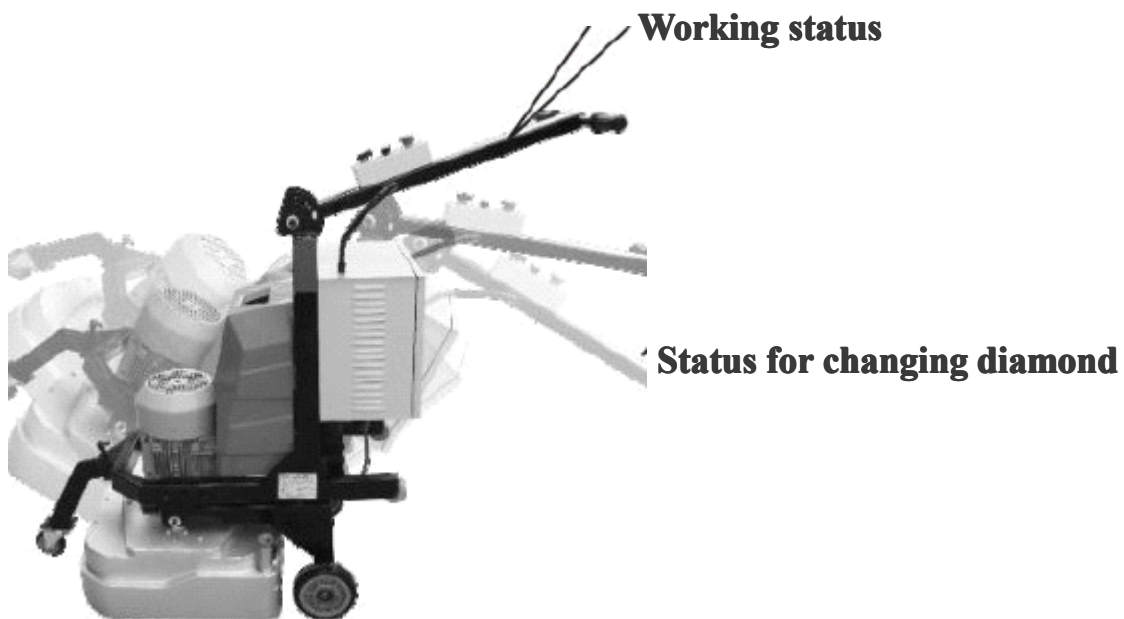
abrasive,Clean dirt before install magnetic disk and pay attention to velcro effect when choose velcro type

6.Waterproof cover installation:please let the cover collection part be behind the machine

7.Make sure leakage protection device be in good situation,Use waterproof plug

8.Stop operation:push emergency stop button,close drive switch. Cut power supply when the machine will stop for a long time

9.Do some necessary cleaning after working



## Abnormal handling measures:

Abnormal phenomenon	Problem issues	Solution
Machine can't open normally	<ol style="list-style-type: none"> <li>1. Conductor arrangement error</li> <li>2. Unmatched output voltage</li> <li>3. Open knob is broken</li> <li>4. Inverter is broken</li> <li>5. Motor is broken</li> </ol>	<ol style="list-style-type: none"> <li>1. Check conductor arrangement and power supply point</li> <li>2. Adjust to matched voltage</li> <li>3. Change broken parts</li> <li>4. Repair or change inverter</li> <li>5. Repair or change motor</li> </ol>
Frequency can't be changed	<ol style="list-style-type: none"> <li>1. Data setup of inverter error</li> <li>2. Speed control resistor is broken</li> <li>3. Short or open circuit of connecting control wire</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset inverter</li> <li>2. Exchange resistor</li> <li>3. Exchange control wire</li> </ol>
Unusual noise during operation	<ol style="list-style-type: none"> <li>1. Rubber cushion is broken, three polishing head can touch each other</li> <li>2. Need lubricant oil</li> <li>3. Bearing or drive shaft is broken</li> </ol>	<ol style="list-style-type: none"> <li>1. Change rubber cushion</li> <li>2. Add lubricant oil</li> <li>3. Exchange bearing or drive shaft</li> </ol>
Migration phenomenon	<ol style="list-style-type: none"> <li>1. FDW move wheel and grinder are nonparallel</li> <li>2. Three polishing head are not on same level surface</li> <li>3. Unmatched abrasive or different height of abrasives</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust move wheel bolt</li> <li>2. Adjust fixed bolt to make sure all three polishing head on same level surface</li> <li>3. Exchange same specification and height abrasives</li> </ol>
Dithering phenomenon	<ol style="list-style-type: none"> <li>1. FDW move wheel and grinder are nonparallel</li> <li>2. Three polishing head are not on same level surface</li> <li>3. Unmatched abrasive or different height of abrasive</li> <li>4. Body fixed bolt is loosening</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust move wheel bolt</li> <li>2. Adjust fixed bolt to make sure all three polishing head on same level surface</li> <li>3. Exchange same specification and height abrasives</li> <li>4. Tighten bolt to be in a good situation</li> </ol>

Unusual LED data	<ol style="list-style-type: none"> <li>1.LED digital operator is broken</li> <li>2.Connection of LED digital operator is not stable</li> </ol>	<ol style="list-style-type: none"> <li>1.Change LED operator</li> <li>2.Check connection wire</li> </ol>
Unusual work of pressure adjustable motor	<ol style="list-style-type: none"> <li>1.Non-full-phase of power supply</li> <li>2.Conductor arrangement error or short circuit</li> <li>3.Open switch is broken</li> <li>4.Pressure adjustable motor is broken</li> <li>5.Beyond scope of pressure adjustment</li> </ol>	<ol style="list-style-type: none"> <li>1.Check the power supply and wire connection point</li> <li>2.Check conductor arrangement</li> <li>3.Change pressure adjustable motor switch</li> <li>4.Repair or change the motor</li> <li>5.Remove pressure stand,manually readjust it to its normal state</li> </ol>
Leakage phenomenon	<ol style="list-style-type: none"> <li>1.Wire connection error</li> <li>2.Damp phenomenon of electric box</li> <li>3.Damp motor, low insulation level</li> </ol>	<ol style="list-style-type: none"> <li>1.Check grounding wire</li> <li>2.Keep electric dry, Bake the damp part with low temperature</li> <li>3.Look for the professional people to handle the problem</li> </ol>
Abrasives are easy to drop down during operation	<ol style="list-style-type: none"> <li>1.Unmatched connection of abrasives and magnetic disk</li> <li>2.Velcro disk lose stick effect</li> <li>3.Bad flatness of jobsite or too fast rotational speed</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange matched abrasives</li> <li>2.Exchange velcro disk</li> <li>3.Choose magnetic disk or fixed abrasive installation to reduce rotational speed</li> </ol>
Bad dust collector effect	<ol style="list-style-type: none"> <li>1.Dust collector pump is broken</li> <li>2.Dust proof cover is broken or of wrong installation</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange dust collector pump</li> <li>2.Exchange dust proof cover</li> </ol>
Oil leak on transfer part	<ol style="list-style-type: none"> <li>1.Bearing is broken</li> <li>2.Sealing part is aging</li> <li>3.Varia in transfer part</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange bearing</li> <li>2.Exchange sealing part</li> <li>3.Pay attention to machine maintaining, remove damaged parts</li> </ol>
Different wear intensity of abrasives	<ol style="list-style-type: none"> <li>1.Rubber cushion is aging or broken</li> <li>2.Three polishing header is not on same level surface</li> <li>3.Spring cushion is broken</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange rubber cushion</li> <li>2.Exchange fixed bolt to make them on same level surface</li> <li>3.Exchange spring cushion</li> </ol>



Big heating on machine motor	<ol style="list-style-type: none"> <li>1.Unstable input voltage</li> <li>2.Wrong conductor arrangement</li> <li>3.Loosen conductor arrangement point</li> </ol>	<ol style="list-style-type: none"> <li>1.Adjust to stable power supply point</li> <li>2.Exchange matched conductor arrangement</li> <li>3.Fix conductor arrangement point and make sure wire connection point in good condition</li> </ol>
Emergency stop can't open normally	<ol style="list-style-type: none"> <li>1.Emergency stop button is broken</li> <li>2.Connection control wire is short circuit or open circuit.</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange emergency stop</li> <li>2.Exchange control wire</li> </ol>
Power supply light is not working or splashing	<ol style="list-style-type: none"> <li>1.Indicator is broken</li> <li>2.Indicator wire connection is loosening</li> <li>3.Unstable input voltage</li> <li>4.Conductor arrangement point is loosening</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange indicator</li> <li>2.Tighten wire connection</li> <li>3.Adjust to stable input voltage</li> <li>4.Tighten conductor point to make sure it is in a good condition</li> </ol>
Grinder pressure adjustable indicator is not working or splashing	<ol style="list-style-type: none"> <li>1.Indicator is broken</li> <li>2.Indicator wire connection is loosening</li> <li>3.Grinder adjusting switch error</li> </ol>	<ol style="list-style-type: none"> <li>1.Exchange indicator</li> <li>2.Tighten wire connection</li> <li>3. Use adjusting switch correctly</li> </ol>

## Maintaining:

1. Do cleaning after operating the machine in time, add a little machine oil or grease in lead screw and transfer parts, check every fastener part of machine be stable or not;
2. Make sure electric box and control parts without damp phenomenon, conductor arrangement be in good condition;
3. Put the machine on dry place avoiding direct sunshine
4. Put the machine on flat ground, It is better to install abrasive in buckle avoiding destroying chuck

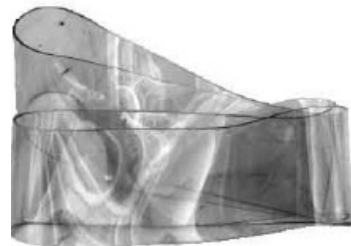
## Consumable part



Rubber cushion



Abrasive stick disk



Waterproof cover